WHAT IS CLAIMED IS:

1. A method for forming a high reflective reflector pattern comprising:

forming a micropattern using organometallic compound through a photoreaction or thermal energy; and

growing crystal, using the pattern as a nucleus for growing crystal, by an electro or electroless plating process.

- 2. The method according to claim 1, wherein the micropattern is formed through the following steps:
- (a) coating the organometallic compound on a substrate to form a thin film;
- (b) exposing the thin film to light through a mask to decompose the organometallic compound at exposed area and to induce a difference in solubility between the exposed and unexposed areas and developing the thin film to remove the organometallic compound of the unexposed area; and
- (c) reducing or oxidizing the exposed area to form a metal pattern or metal oxide pattern.
- 3. The method according to claim 1, wherein the micropattern is formed through the following steps:
- (a) forming a pattern using the organometallic compound through soft lithography or ink jet printing; and

- (b) heating the pattern to decompose the organometallic compound.
- 4. The method according to claim 3, wherein the soft lithography is microcontact printing or micromolding in capillaries (MIMIC).
- 5. The method according to claim 1, wherein the organometallic compound is represented by the following formula 1:

 $M_m L_n X_p$ (1)

wherein M is a transition metal, lanthanide or representative element metal; L is a ligand; X is a monovalent to trivalent anion; m is an integer from 1 to 10, and when m is 2 or more, M may be different from each other; n is an integer from 0 to 60, and when n is 2 or more, L may be different from each other; p is an integer from 0 to 60, and when p is 2 or more, X may be different from each other; L may act as a ligand bonding two metals when two or more metals are used; and n and p are not simultaneously 0.

6. The method according to claim 5, wherein M is a late transition metal (IX~XII) selected from the group consisting of Co, Ni, Pd, Pt, Cu, Ag, Au, Zn and Cd, or a representative element metal.

- 7. The method according to claim 5, wherein L is a ligand selected from the group consisting of acetylacetonates, acetates, β -ketoiminates, β -diiminates, β -ketoesters, dialkyldithiocarbamates, carboxylates, oxalato, halogens, hydrogen, hydroxy, cyano, nitro, nitrate, nitrosyl (NO), azides, thiocyanato (NCS), isothiocyanato (SCN), alkoxy ligands, pyridines, amines, diamines, arsines, diarsines, phosphines, diphosphines, arenes, carbonyl, imidazolylidene, ethylene, acetylene, aquo, thiocarbonyl, thioether and derivatives thereof.
- 8. The method according to claim 5, wherein X is an anion selected from the group consisting of halogens, hydroxy, cyano (CN), nitro (NO₂), nitrate (NO₃), nitrosyl (NO), azide (N₃), thiocyanate (NCS), isothiocyanate (SCN), tetraalkylborate (BR₄, R = methyl, ethyl or phenyl group), tetrahaloborate (BX₄, X = F, Br), hexafluorophosphate (PF₆), triflate (CF₃SO₃), tosylate (Ts), sulfate (SO₄²), and carbonate (CO₃²).
- 9. The method according to claim 6, wherein the organometallic compound is silver compound.
- 10. A high reflective reflector pattern that is prepared by one of methods according to claims 1 to 9.

11. A reflective or transflective liquid crystal display device containing the high reflective reflector pattern according to 10.